

## PATENT COOPERATION TREATY

**PCT****INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>X-16327</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/US2004/032304</b>	International filing date (day/month/year) <b>15/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>16/10/2003</b>
Applicant <b>ELI LILLY AND COMPANY</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).3.  Unity of invention is lacking (see Box III).

## 4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

## 6. With regard to the drawings.

- a. The figure of the drawings to be published with the abstract is Figure No. 2

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US2004/032304

**Box No. IV Text of the abstract (Continuation of Item 5 of the first sheet)**

A guide and follower cooperate to promote a user moving the driver relative to the housing along a travel path that operates the apparatus. The cooperating elements of the nut and the driver are disengaged when the driver is disposed in a reset segment of the travel path, and the cooperating elements of the nut and the driver become engaged when the driver is shifted through a nut engaging segment of the travel path from the reset segment to a nut rotating segment of the travel path. The engagement of the cooperating elements of the nut and the driver cause the nut to screw proximally along the threaded shaft of the drive member when the driver is shifted through the nut rotating segment from the nut engaging segment to an injecting section of the travel path. When the driver is shifted through the injecting section from the nut rotating segment to the reset segment, the nut and the drive member are shifted in the distal direction to axially advance a fluid container piston to dispense medicine, and the cooperating elements of the nut and the driver become disengaged.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/032304

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61M5/315

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	✓WO 02/30495 A2 (ELI LILLY AND COMPANY; ROE, MICHAEL, JOSEPH) 18 April 2002 (2002-04-18) cited in the application abstract	1
A	✓US 6 221 046 B1 (BURROUGHS ANDREW ET AL) 24 April 2001 (2001-04-24) cited in the application abstract	1
A	✓WO 02/092153 A2 (ELI LILLY AND COMPANY; ATTERBURY, WILLIAM, GODWIN; DILLER, MARK, GERAR) 21 November 2002 (2002-11-21) abstract	1
A	✓EP 0 554 996 A1 (BECTON DICKINSON AND COMPANY) 11 August 1993 (1993-08-11) abstract	1

 Further documents are listed in the continuation of box C Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

1 February 2005

09/02/2005

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/US2004/032304

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0230495	A2	18-04-2002	AU 9258101 A BR 0114498 A CA 2424015 A1 CN 1468118 T EA 4406 B1 EP 1326664 A2 JP 2004510554 T MX PA03002993 A NO 20031044 A PL 360881 A1 ZA 200301758 A	22-04-2002 13-01-2004 18-04-2002 14-01-2004 29-04-2004 16-07-2003 08-04-2004 14-07-2003 06-03-2003 20-09-2004 03-03-2004
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